

FOLIO

UNIVERSITY OF ALBERTA
15 JANUARY 1993



INSIDE

- Engineering Dean Fred Otto likes what he sees in national report on engineering education's future
- 'It is time to rejoice in our students,' asserts Bill McGill (Graduate Studies and Research)

U of A asked to do its part in national strategy to reduce first-year medical school enrollment

Provincial/Territorial health ministers want to curb costs

The University's medical school has been asked to do its part to adhere to a national strategy developed last year by provincial and territorial health ministers to reduce first-year enrollment in Canada's medical schools.

The Faculty of Medicine has agreed to reduce its quota by 16 students over two years. A proposal from the Faculty to cut eight entry positions in 1993 and eight in 1994 has been approved by the Faculty Council and will proceed through the University's system of governance.

Board Academic Affairs and Human Resources Committee Chair Al Hiebert said the committee had not dealt with the proposal yet and that the proposal would eventually come before the Board. (The proposal was tabled at the Board's 8 January meeting as an information item.)

"There has been a growth in physician numbers which is more rapid than the growth in population and in order to maintain our present physician-to-population ratio, it is necessary to reduce the number of Canadian medical graduates," Faculty of Medicine Dean Doug Wilson explained in

supporting documentation to Vice-President John McDonald, tabled at the Board meeting.

Last year, provincial and territorial ministers of health agreed on a national policy to reduce Canadian medical school entry class size by 10 percent by the fall of 1993. That policy has been endorsed by Alberta Health. In those provinces where a reduction in undergraduate enrollment is taking place, Departments of Advanced Education have agreed with Departments of Health that the reductions will be "revenue neutral" for universities, since the change is based on long-term planning for physician supply and cost management in the health care system, explained the Dean.

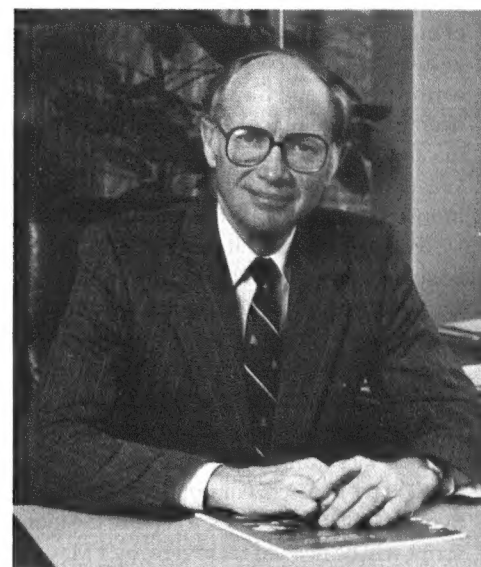
"At the University of Alberta, I can assure you that this reduction will not affect the overall teaching responsibilities of our Faculty which are growing in a number of areas, and particularly will increase at the postgraduate level and in community health settings," Dr Wilson said.

At the U of A, the graduating class numbers 120; at the U of C, the graduating class is 72. In the province, subject to the necessary

approvals, the U of A will reduce by 16 and the U of C will reduce by three. This will be done for several reasons, explained the Dean.

"First, we are considerably larger in relation to the population base. Second, and more importantly, we have had a significant deficiency in the number of postgraduate positions available in relation to our current undergraduate class size of 120," he said. All graduating MDs must take postgraduate training of two years for family medicine or an average of five years for specialty training before they are able to obtain a licence to practice.

The Dean explained that while nationally there will be a reduction in the number of postgraduate positions according to the national policy directive, the U of A has obtained agreement from Alberta Health to increase its number of postgraduate positions to provide for the needs of its graduating students. "The increase in postgraduate positions will be approximately 19 positions including 12 in the first postgraduate year. This will bring our postgraduate positions (412) in line with our number of undergraduate positions with the reduced quota."



Dean of Medicine Doug Wilson

Dr Wilson said that there is pressure from qualified applicants to get into medical school, but the school must acknowledge and accept that national and provincial strategies for managing the national health care system indicate that a modest reduction in physician supply is required.

During 1990-91, there were 1,791 first-year students enrolled in Canada's 16 medical schools.

Council on Student Life endorses establishment of sexual assault centre

Many say a multitude of services already exists, but greater coordination is needed

The Council on Student Life has recommended that the University of Alberta establish and fund a sexual assault centre on campus by September of this year.

COSL, a committee of General Faculties Council, also recommended that the centre employ on a fulltime basis a person trained in the area of sexual assault counselling to act as the coordinator. COSL members unanimously decided at their last meeting in December to call for the establishment of an educational program that would go hand-in-hand with support services. The program would be developed, coordinated and implemented through the centre.

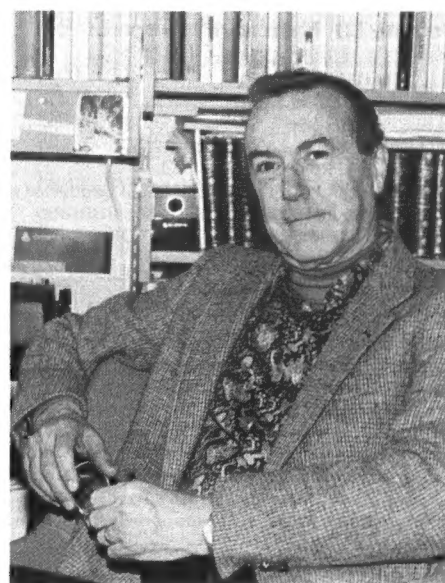
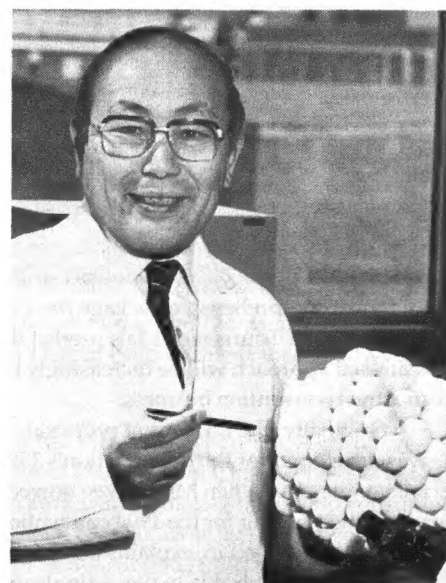
Dean of Student Services and COSL Chair Peter Miller said he had never sensed such a level of support for dealing with sexual assault issues on campus. "Everywhere we've addressed these issues, there's been a consensus," he said, adding that the recommendations tabled at COSL are very impressive. Only two years ago, there was a good deal of scepticism about the need for a centre, he said, but that has changed dramatically.

COSL is also recommending that the University develop policies, procedures and protocols to deal with sexual assault. Other recommendations include: that the Vice-President (Student and Academic Services), the Dean of Student Services and Student Counselling create an additional fulltime, permanent position in Student Counselling by May 1993 to respond to counselling needs of victims of sexual assault, and that the Vice-President (Student and Academic Services) provide resources for the mandatory training of Campus Security Services personnel so they can respond effectively to sexual assault cases.

The recommendations have been endorsed by the Students' Union and the Academic Women's Association.

The recent survey of students' unwanted sexual experiences and many other similar surveys—for example, at the University of New Brunswick and St. Thomas University—indicate that most unwanted sexual experiences occur between people who know one another. Eight to 10 percent of students

Continued on page 3



CHUJI HIRUKI, ROWLAND McMASTER NAMED KAPLAN AWARD RECIPIENTS

The 1993 recipients of the Kaplan Awards for Excellence in Research are Chuji Hiruki (Plant Science) and Rowland McMaster (English).

The Awards, first presented in 1982 as the University of Alberta Research Prizes, were later named after J Gordin Kaplan, the University's first Vice-President (Research) and the driving force behind the creation of the Prizes.

Drs Hiruki and McMaster, who were chosen by a jury of scholars and appropriate representatives from the broader community, will be honoured 10 March in Bernard Snell Hall.

Articles on the research careers of the 1993 Kaplan laureates will be published in *Folio* in advance of the recognition ceremony.

HIGH PERFORMANCE COMPUTING CONFERENCE: CALL FOR PAPERS

From our sister institution to the south comes word of "SS'93 High Performance Computing: New Horizons", Canada's seventh annual high performance computing conference and exhibition. The event, which is sponsored in large part by Supercomputing Canada, will take place 6 to 9 June 1993 at Calgary's Palliser Hotel.

University of Alberta scientists and researchers are invited to participate in the conference. The U of C's Academic Computing Services invites technical papers on a number of topics, including applications of high performance computing in the energy industry, in aerospace, chemical modelling, earth sciences and the environment, engineering, image processing, financial forecasting and others; connectivity and networking; visualization as a tool for analysis and communication; and workstations and clusters.

Paper abstracts and proposals are to be submitted no later than 1 February, to: Luc Bauwens, Program Chair, Department of Mechanical Engineering, University of Calgary, 2500 University Drive NW, Calgary, Alberta T2N 1N4. Voice: (403) 220-5792; Fax: (403) 282-8406; E-mail: ss93abs@acs.ucalgary.ca. Authors will be notified by 1 March. For publication in the Symposium proceedings, a copy of the manuscript will be needed for review by 1 May.

In addition to U of A and U of C faculty and staff, the conference will be attended by researchers from other universities and industry, hardware and software developers, hardware and software vendors and communication and information technology professionals.

Contacts for SS'93 are: Rod Wittig, Conference Chair, telephone 220-8441; Luc Bauwens, Program Chair, 220-5792, and Pat Comer, Conference Organizer, 220-6213.

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**University
of
Alberta**

University celebrates Stuart Ramsay Tompkins Endowment

Photo Services



Andrei Sakharov, of the Institute of History of the Russian Academy of Sciences.

University, Convention Centre team up to lure huge conference to Edmonton

*Team sell the marketing
approach of the '90s*

The University of Alberta, the Edmonton Convention Centre and a number of Edmonton businesses have joined forces to land a gigantic convention.

In June 1994, 2,500 members of the American Society for Engineering Education will hold their annual convention in Edmonton. The 26 to 29 June event has been conservatively estimated to bring \$1 million worth of business to the city.

Civil Engineering Professor Bill Sproule, who worked with the Convention Centre on the successful proposal, said the key to success was putting together an inclusive package the organization found extremely attractive.

Convention Centre sales manager Debbie MacDonald says the convention is the largest and most comprehensive package the Centre has ever sold. Tourism officials predict the team-sell approach will be increasingly used to attract convention business.

Originally, the Edmonton proposal was developed for the organization's 1997 convention, but when Milwaukee bowed out of the running for the 1994 convention, Edmonton stepped in, explains Dr Sproule. Registrants will be able to pay a single price that includes accommodation, meals and transportation.

The ASFEE, based in Washington, D.C., and founded more than a century ago, has a membership of some 10,000 people. Its annual conference typically emphasizes technical sessions, and includes seminars, technical tours, corporate trade displays and social events.

Dr Sproule says discussions are under way to hold the Canadian Conference on Engineering Education at the same time in Edmonton. That conference, however, is set for Vancouver in April 1994.

Stuart Ramsay Tompkins is a glittering example of someone who knew how to make the best of a bad situation.

Huddled in the trenches in the First World War's seemingly endless succession of sullen, 25-hour days, he took to studying the Russian language to make the time pass quicker. Realizing he wanted to learn more of that vast, enigmatic nation, he joined a Canadian military force (he had just received a medical discharge from the army) that was headed for Siberia. It turned out to be a brief visit but it influenced Tompkins for the rest of his life. He would go on to earn an MA in Education from the University of Alberta and a doctorate in Russian Studies from the University of Chicago, and become a highly respected professor of history at the University of Oklahoma.

There was something about the University of Alberta that stayed with him during his tenure at Oklahoma (he was there until he was 70) and during his retirement years in Victoria (he died there in 1977). When his widow, Edna Tompkins, died in 1989, she left the bulk of her estate to the U of A to establish the Stuart Ramsay Tompkins Endowment, an endowment of nearly \$500,000 to be used to invite eminent Soviet historians to the University as visiting professors. She stipulated that "the duties and responsibilities of such visiting scholars will normally include public lectures, teaching, and consultation ... with the primary subject matter to be the history of Russia and the USSR."

That arrangement has so far brought four visiting historians to campus: Serhij Plokyh, Chair of the Department of History, Dnipropetrovsk University (fall 1991-92); Andrei Bochkarev, Chair of the History

Department, Moscow Institute of Agricultural Engineering (winter 1991-92); Andrei Sakharov, Deputy Director of the Institute of History of the Russian Academy of Sciences, Moscow (fall 1992-93); and Mikhail Dmitriev, Department of South and West Slavic History, Moscow State University (winter 1992-93).

A recent reception at University House, hosted by the Department of Slavic and East European Studies and the Department of History, served to honour the Tompkinses and to celebrate the Stuart Ramsay Tompkins Endowment.

President Paul Davenport said the endowment is a notable and very welcome gift that came at a time when tight funding threatened the very existence of the East European and Soviet Studies program.

Dr Sakharov said it's very important for Canadian students, especially those enrolled in Russian history, to have contact with authentic representatives of Soviet scholarship. He also said he received many "historical impulses from my students here."

Gurston Dacks (Political Science), representing Dean of Arts Patricia Clements, said the endowment "puts in the classroom faculty members who have a sense of immediacy." A colleague, David Marples, said the Department of History not only welcomes but needs the Stuart Ramsay Tompkins Scholars.

Guests included Carol Huggett, a niece of the Tompkins family, and her husband Peter, and Lewis Thomas, Professor Emeritus of History, who was an associate professor when Tompkins was here as visiting professor in the summer of 1957 (Tompkins' first words to his first class—"Are there any questions?"—became his signature opening).

BOARD OF GOVERNORS BRIEFS

Governors next meet in Calgary

In keeping with its policy of meeting with people and organizations across the province, the Board of Governors will hold its next meeting 5 February in Calgary. Board members are expected to meet with their University of Calgary counterparts, and with members of the Calgary business community.

Full steam ahead on steam turbine generator installation

The Board, at its regular meeting 8 January, approved expenditures for a total project cost of \$6.3 million for the supply and installation of a steam turbine generator in the heating plant. The University expects the new generator will provide more efficient utilization of heating in the system, cheaper electrical power costs for the campus, and a backup generating capacity for unplanned outages.

Board member Tom Shields said he was pleased with the initiative. "It's a good move anytime we can cut down the University's operating expenses."

Board approves Collections policy

Following on the heels of General Faculties Council approval (see page 5), the Board has also given its approval to a new University collections policy. The policy provides a framework for the University to acquire, manage and ensure the wise use of its collections.

One quota position reserved for aboriginal applicant

The Board has approved a proposal from the Division of Medical Laboratory Science in the Faculty of Medicine to reserve one position in the existing quota of 36 students in the first year of the BSc in Medical Laboratory Science degree program for a qualified aboriginal applicant. The position is effective 1993-94.

Rehab Medicine reserves positions for aboriginal applicants

The Board has approved a proposal from the Faculty of Rehabilitation Medicine to reserve four positions for qualified aboriginal applicants. Two of those positions would be in the current quota of 66 students in the first year of the BSc in Physical Therapy degree program and two in the current quota of 74 second-year students in the BSc in Occupational Therapy degree program. The positions are effective 1993-94.

Board expresses displeasure with editorial cartoon in student newspaper

The Board passed a motion to express its displeasure with the 5 January publication of an editorial cartoon in the student newspaper, *The Gateway*. Many people in the community found the cartoon offensive. "The cartoon was exceptionally distasteful and not in the best interests of the University," said Board member Bob Rosen.

'Something wonderful happened on the way to Ottawa'

U of A applicants for major awards are imbued with intellectual qualities, interviewers find

Bill McGill has a tip for faculty members whose morale may be down: join one of the interview teams that look after U of A students' applications to the NSERC and SSHRC national competitions.

Speaking as one who interviewed on behalf of the NSERC 1967 Science and Engineering Scholarships, Dr McGill would recommend the NSERC route. Then, too, NSERC requires that applications be reviewed by a local adjudication committee and that a university recommendation be made on each application. SSHRC has no such requirement (the U of A's role was to check applications for completeness and then forward them to SSHRC as they were received from departments).

Dr McGill, an Associate Dean in the Faculty of Graduate Studies and Research, served on one of two groups of three members of the Graduate Scholarship Committee. A total of 103 applications were submitted to SSHRC from this University, with each group interviewing five or six candidates.

Dr McGill found the students to be "positive, creative," and in possession of "a refreshing variety of thought on remarkably varied topics. In addition to being able to explain

engineering, and biological and physical sciences credibly to people in the area, they made their disciplines meaningful to outsiders. But they went beyond that. They enthusiastically declaimed about subjects ranging from the values of cultural historical perspectives, to the links between chemistry and literature, the place of biotechnology in science and society, how juggling relates to conversational and debating skills, and even the rigors of competitive fencing.

"It was a feast for the intellect! Such was the unanimous view when we met together after the interviews." (Dr McGill's fellow interviewers were: Patricia Demers, also an Associate Dean of Graduate Studies and Research, Ruth Elliott (Nursing), Helmy Sherif (Physics), Isobel Grundy (English) and Jacob Masliyah (Chemical Engineering).

Dr McGill has a bone to pick with anyone who subscribes to that "fashionable and malicious fiction" that students are narrowly focused on their disciplines. "Certainly, many professors know otherwise. It is time to rejoice in our students. Acknowledge student achievement in all its manifestations; it is all around us.

"What to do about declining morale on campus? Talk to a student."

Centre

continued from page 1

sampled reported an unwanted sexual experience while they were registered at the U of A.

The development of a common protocol is probably the most important recommendation, said COSL member and Administrative Head of Personal and Academic Resources Reinhold Boehm, so that the University's various services in the area can be connected and coordinated. Natalie Sharpe, who chairs COSL's Safety on Campus Committee and is a student advisor with PAR, agreed that the University lacks a protocol to handle cases of sexual assault.

Sharpe said there are already many capable people in place, but the University has to show some leadership by establishing a strong educational program. Ellen Schoeck, Director of the University Secretariat, added that such an education program needs to explain what sexual assault actually is and to explain what terms such as date rape and acquaintance rape mean.

Susan Shaw, Sexual Harassment Coordinator for the Office of Human Rights, said there has to be a heavy-duty student component in the education program. That's vital because students respond to students, she explained.

Students' Union Vice-President (Academic) Danya Handelsman reiterated that the University has a "wealth of parts but a poverty of the whole". She suggested the centre be established in a central location and that it not be called anything other than a sexual assault centre.

COSL member Ian Reade (Associate Director, Inter University Athletics) sounded a cautionary note. If COSL is successful in convincing the University that the sexual assault centre should be a top priority, then inevitably units will be asked to determine what their lowest priorities are. There has to be new money to support such a centre, he suggested, or else other services will end up being eroded.

We're not talking about a huge amount of money, said Dean Miller. For example, implementing the recommendation to employ a fulltime, trained coordinator and another staff member for a sexual assault centre would cost in the vicinity of \$85,000.

The recommendations follow on the heels of a research report prepared for COSL and released in May 1992. The report, titled "A Survey of Unwanted Sexual Experiences Among University of Alberta Students", found that 78 students in the study—approximately eight percent of the total sample—most of them women, reported an unwanted sexual experience while enrolled at the University. More than half of these individuals reported more than one incident.

In the survey conducted by the Population Research Laboratory, about 10 percent of the respondents reported being both a victim and an instigator of an unwanted sexual experience, at some point in the past.

About 84 percent of the respondents agreed that the University should provide a sexual assault centre on campus where students could receive information and counselling. Women were more likely to agree that a sexual assault problem existed, and also more likely to call for an on-campus sexual assault centre.

University honours Lougheed Scholarship recipients

Keltie Duggan, James Fabian, Margaret Graham, Donald Padget, Suzanne Scott, Sarah-Jean Tingle, Bruce Viney and Lisa Wahl, the 1992-93 recipients of Peter Lougheed Scholarships, were officially recognized at a recent luncheon at the Faculty Club.

Duggan, a third-year student in the Faculty of Arts, is contemplating a career in education, law or community development. Her name is synonymous with swimming, and her success is marked by an Olympic bronze medal (1988), a Pan American Games gold medal (1987), a Commonwealth Games gold medal (1990) and a World Championships bronze medal (1991). Duggan tours as a spokesperson for the Alberta Sports Council.

Fabian is a third-year student in the Faculty of Medicine who is research representative for the Class of '94. He served on the Committee for Examining Undergraduate Medical Education and acted as research editor of *latros*, the Faculty of Medicine magazine. Upon graduation, Fabian plans to continue in postgraduate studies specializing in internal medicine.

Graham is enrolled in Women's Studies in the Faculty of Arts and is a member of the Women's Studies Program Committee and the Women's Studies Association. She belongs to the Writers Guild of Alberta and is a founding member of the editorial collective *Other Voices*.

Since coming to the U of A from Ontario two years ago to take his LLB, Padget has done volunteer work as a dayleader with Student Legal Services and as a tutorial instructor for the Academic Assistance Program. He was elected First Year Law Faculty Council Representative and has been a member of the Students' Union Discipline, Interpretation and Enforcement Committee, the Alberta Debate Club and the Alberta Law Review.

Scott is a third-year business student majoring in Human Resources. She has been associated with the Students' Union as a councillor and a council member of the External Affairs



Peter Lougheed is flanked by Lougheed Scholarship holders (from left to right) Margaret Graham, Lisa Wahl, Keltie Duggan, Sarah-Jean Tingle, Bruce Viney, Donald Padget, James Fabian and Susanne Scott.

Board, and has served on the council of the Business Students' Association. Scott is regarded as an accomplished orator; she has also worked behind the scenes as finance director of the University Debate Club. In 1990, she was awarded the Kinsmen Salute to Youth Award for community involvement.

Tingle is a graduate of Western Canada High School in Calgary who is pursuing a bilingual Education degree with a view to teaching French immersion at the junior high level. She is a founding member of Student Inner-City Service Association (SISA) and serves on the SISA executive board as a project leader for the Bissell Centre Youth Program and the Malmo and Garneau Elementary After School Programs.

Viney transferred here from Red Deer College and is in the third year of the BSc Agricultural Business Management program.

A former Vice-President of the Agriculture Business Management Club, he has started his own agribusiness management and consulting business. He was awarded first prize for best paper in the Alberta Agricultural Economics Association student paper competition.

One of Wahl's many accomplishments is the initiation and development of an innovative supplementary vocabulary book to assist students in learning Hebrew. An education student, she was instrumental in the review and subsequent redesign of the Special Education Students' Association (SESA) newsletter. She plans to teach at the elementary school level.

Lougheed pointed out that he has yet to miss one of these luncheon affairs that "have turned out to be a special part of the year." He said that in his travels, people sometimes approach him in airports and remark that they

ALBERTA CENTRE FOR WELL-BEING TO PUBLISH RESEARCH UPDATE

The Alberta Centre for Well-Being will be publishing a monthly research update focusing on health promotion research. This collaborative effort of the Centre and the Cancer Prevention Program, Alberta Cancer Board, will be available on request only. Call Kristy Hollingshead at 453-8692 or 1-800-661-4551 to start a subscription.

On 23 February, the Alberta Centre for Well-Being will hold a "Power of Networking" Workshop at the Percy Page Centre (11759 Groat Road, Third Floor) from 9 am to noon. Bobbi Smith, communications consultant/international marketer, will conduct the hands-on workshop. Call 453-8692 or 1-800-661-4551 to register.

are former Lougheed Scholars who are now doing such and such. "That's fun and exciting."

Award recipients must have an academic record of first class standing and have the ability to interact and communicate well with people. There have been 58 recipients from 13 Faculties since the start of the Lougheed Scholarship Program in 1986. Each Peter Lougheed Scholarship is valued at \$5,000. Ten new awards are available each year; this year, the selection committee reviewed more than 100 applications.

The Scholarship Program was funded for the first six years from the University's undesignated endowment fund. In January 1992, President Paul Davenport approved the creation of a permanent \$1 million endowment to ensure that the Peter Lougheed Scholarships would be awarded in perpetuity.

National report on future of engineering education has some worthy suggestions, says Dean Otto

Report says Canada needs better math and science teachers and expansion of undergraduate engineering programs

There won't be complete agreement among engineering educators on all of the recommendations contained in a recently released report titled "The Future of Engineering Education in Canada," but Faculty of Engineering Dean Fred Otto is confident many of the recommendations are worth adopting in whole or in part.

The bottom line, says Dean Otto, is that Canada's quality of life is threatened, and in order to sustain our standard of living, Canada's wealth creation industries must be able to compete internationally. "In order for those industries to be successful, we have to be on top of technology—and that requires competitively trained engineers."

The report, written by UBC Applied Science Dean Axel Meisen and prepared for the Canadian Council of Professional Engineers and the National Committee of Deans of Engineering and Applied Sciences, calls for the expansion of undergraduate engineering programs by 20 percent—to 46,000 students—by the year 2000 to meet industrial demand.

That recommendation is certain to stir debate, says the Dean. The demand for more engineers is based on an expanding economy, so it may make more sense at this time to focus on keeping existing undergraduate and graduate engineering schools healthy. But, he cautions, if Canadian society is serious about its commitment to expand engineering education, it will have to shift resources. He acknowledges that universities aren't structurally adept enough to easily shift resources internally, so it may mean engineering schools will have to turn to the industrial sector for more financial assistance. That's already under way at the U of A, he adds.

The report focuses on several areas: pre-university education; undergraduate engineering programs; graduate engineering programs;

engineering faculties and universities; engineering professoriate; and post-university.

Here are some of the recommendations: increase the numbers of competent science and math elementary school teachers; promote the teaching of science and math as "prestige" careers for school teachers; lower student to staff ratios in undergraduate programs; stop undue specialization from occurring at the undergraduate level; and integrate math and science into engineering courses on an as-needed basis and rely less on separate math courses.

Dean Otto says that kind of integration doesn't happen often enough at the University. He wants to see more math modules within engineering courses and is open to the idea of more team teaching. He says there'll still be a need for separate math courses, but he's willing to pilot the concept in some areas.

The report's authors suggest the length of graduate programs should be reduced, more industry engineers should teach in graduate programs and specialization should more appropriately take place in master's programs. The University is making headway in reducing the length of time students spend in graduate programs, says Dean Otto. He adds that employers sometimes suggest that students who are spending too much time in graduate programs may not be productive employees.

Engineering has an image problem, the authors conclude. Provincial engineering societies, departments of education, engineering faculties and school boards have all been urged to explain what engineering is all about and what engineers actually do. "This is particularly important if we're going to attract more women into engineering," says the Dean.

Following on the heels of the Report of the Commission of Inquiry on Canadian University Education, which recommended universi-



Dean of Engineering Fred Otto

ties recognize and reward teaching to a greater extent, Dr Meisen and co-author KF Williams of the CCPE, suggest engineering faculties recognize teaching more significantly when making tenure, promotion, appointment and salary decisions. Increasingly, says Dean Otto, the Faculty will also have to consider contract work, collaborative research and technology transfer as legitimate activities along with publications records of faculty when the Faculty is rewarding people.

Asked how the report will be dealt with across the country by engineering faculties, Dean Otto says some of the specific recommendations will be nurtured and acted upon by Deans. Some of the recommendations which have cost implications—there is a call for increased funding for graduate students, for example—will be difficult for faculties to deal with. The NCDEAS is identifying people across the country who will be assigned the task of fostering specific recommendations in the report, Dean Otto points out.

Leading geneticist to lecture here

One of the foremost geneticists and cell biologists in North America will deliver an AHFMR-sponsored seminar on 22 January.

Mary Lou Pardue, Massachusetts Institute of Technology, will speak on "A novel transposable element involved in forming telomeres". Transposable elements have been called "selfish genes" or "parasitic DNA" because they can multiply and hop from one chromosome to another within the cell nucleus, using cellular energy, but seemingly adding nothing that the cell needs. Dr Pardue is the first scientist to discover that at least one class of transposons earns an honest living.

"Dr Pardue stands among the foremost geneticists and cell biologists in North America," says RC von Borstel, former Chair of this University's Department of Genetics. "She is the Chairman of the Genetics Section of the US National Academy of Sciences and is a Council Member of the American Academy of Arts and Sciences. Moreover, she is the only person who has been elected president of both the Genetics Society of America and the American Society of Cell Biology."

Terming Dr Pardue's scientific contributions "spectacular," Dr von Borstel notes that her first accomplishment was the demonstration of two of the chromosomal mechanisms underlying death of irradiated cells. "Her current discovery and demonstration of the molecular healing of broken ends of chromosomes with a transposable element is an extraordinary accomplishment, which significantly diminishes the much ballyhooed concept of the selfish gene."

Those interested in further details about Dr Pardue's visit and seminar are asked to contact Julie Wallace in the Department of Genetics, 492-1901.

Graphic designer Dietmar Winkler to visit campus

At the invitation of the Department of Art and Design, Dietmar Winkler will visit campus later in January.

Born in Germany and emigrated to the US in 1959, Professor Winkler, now at the Kansas City Art Institute, has been director of the Institute of Design at the Illinois Institute of Technology and Dean of the College of Visual and Performing Arts at Southeastern Massachusetts University. His design work came to notoriety while working for the Office of Publication at MIT in the late '60s, and he subsequently undertook design direction for the Harvard Business School, the National Endowment for the Arts, the Federal Bureau of Census, Brandeis University and a number of other private and public institutions.

He has developed original research on legibility, reading, retention and comprehension, and is on the editorial board of *Visible Language*.

"His design work has been widely published and discussed in international professional books and other publications and his name and work are already part of the contemporary history of graphic design," says Jorge Frascara, Professor and Coordinator, Visual Communication Design.

Professor Winkler will present two public lectures sponsored by the Department of Art and Design in 2-20 Fine Arts Building (see "Talks" for full details). In addition, he will spend Friday, 22 January, meeting with staff and students of VCD.

U of A joins reciprocal insurance exchange

Administrators believe the plan offers long-term savings for property and liability insurance costs

The University of Alberta has joined the Canadian Universities Reciprocal Insurance Exchange, a reciprocal insurance exchange formed in 1987 by participating universities to share the risk and losses associated with their activities.

A regular insurance policy involves the transfer of risk; a reciprocal agreement involves sharing the risk. These types of agreements are common among municipalities and school boards.

Some 42 member universities and institutes across the country belong to CURIE. The reciprocal insurance exchange covers three areas: physical damage to their own assets; being found legally liable for errors and omissions; and injuries to persons or property damage in respect of third parties.

Addressing the Board of Governors late last year, Vice-President (Finance and Administration) Glenn Harris said that, on balance, the administration believes this is the right way to go. Board Finance Committee Chair Bill Grace added that there is a risk associated with joining the exchange, "but we think the risk is acceptable."

The U of A will join CURIE effective 1 April 1993 for the organization's next five-year underwriting period.

CURIE is an alternative to the commercial market for the University's property and liability insurance. This insurance represents about 75 percent of the University's premiums; auto third party liability and environmental impairment will continue to be purchased commercially.

The U of A did not initially join CURIE for the first five-year underwriting period because there were no loss reserves, surpluses or claims history. At the time it was established, it was viewed as a quick and uncertain response to the insurance market crisis of the mid-1980s. However, today, CURIE has a \$10.3 million projected surplus for the five-year underwriting period ending December 1992, reserves for reported claims and actuarial determined premiums based upon a five-year loss history.

Many of the Ontario universities, including large ones such as the University of Toronto and the University of Western Ontario, are members of CURIE. Other members are the University of Calgary, the University of British Columbia, University of Regina and Dalhousie University.

'ETHICS IN GRADUATE SUPERVISION'

The Faculty of Graduate Studies and Research and the Office of the Vice-President (Research) are organizing a day-long workshop called "Ethics in Graduate Supervision." It will be held on campus on Wednesday, 3 February, and will consider ways of encouraging the highest standards of integrity and attend to the problems that undermine these aims.

The program reflects a diversity of research experience. The panelists who will respond to the keynote presentation by Michael McDonald, director, Centre for Applied Ethics, UBC, include a senior doctoral fellow and active supervisors. The afternoon discussion sessions will be based on case studies, which will be distributed at the workshop. In exchange for a modest fee of \$10, lunch, coffee breaks and a wine and cheese reception will be provided.

The deadline for registration is Wednesday, 27 January. For further information, contact Eileen Crookes, Programs Officer, Research Grants Office, at 492-1838.

CURRENTS



General Faculties Council meeting

GFC's next meeting is scheduled for **Monday, 18 January, at 2 pm** in the University Hall Council Chamber.

- 1) Approval of the Agenda
- 2) Approval of the Minutes of 30 November 1992
- 3) Question Period
- 4) Oral Report from the President
- 5) New Members of GFC
Reports
- 6) Executive Committee Reports
6.1 Summary of Meeting of 7 December 1992
- 7) Report of the Board of Governors
7.1 Report of 4 December 1992
7.2 Report of 8 January 1993
- 8) Report of the Nominating Committee
- 9) Written Questions on Reports
New Business
- 10) Operating Budget, 1993-94, Principles and Process: Recommendation from the GFC Planning and Priorities Committee
- 11) Proposed Policy on Teaching: Recommendation of the GFC Academic Development Committee (ADC)
- 12) Faculty of Medicine Proposal for the Establishment of a Department of Oncology: Recommendation from the GFC Planning and Priorities Committee (PPC)
- 13) Other Business
Reports
 - A) Student Space Report: September 1992
 - B) General Salaries and Promotions Committee (GSPC): 1991-92 and 1992-93 Reports

Farewell reception for Dean F-S Chia

Members of the University community are cordially invited to a reception Friday, 22 January, 4 to 6 pm at University House in honour of Dean Fu-Shiang Chia. Dr Chia stepped down from his position as Dean of the Faculty of Graduate Studies and Research on 31 December. Friends and colleagues of the Chias are invited to join President Davenport in wishing Fu-Shiang and Sharon well.

Those wishing to mark the occasion with a gift are invited to send contributions to Mrs Pat Heatherington at 3-1 University Hall. Cheques may be made payable to the F-S Chia Gift Fund.

Friends of U of A Museums visiting Geology Department

The Friends of the University of Alberta Museums will visit the Department of Geology on 24 January at 2 pm (B-08 Earth Sciences Building, northwest door). The event is also open to the public. Host: Roger Morton.

Sigma Xi, the scientific research society

There is interest in forming a chapter of Sigma Xi at the University of Alberta. All current and lapsed members are encouraged to get in touch with either David Cass (492-3248), Jonathan Tyler (492-4870) or Jack von Borstel (492-5381, office, 492-1104, lab).

Royal Glenora Club shares

The University of Alberta has been left two (2) common shares of the Royal Glenora Club. Anyone interested in purchasing these shares is asked to call the Investment and Real Estate Office (492-4974).

Faculty of Dentistry booking appointments

The Faculty of Dentistry is now booking appointments for: teeth cleaning at 492-4458 and for children (ages 5 to 15) at 492-4448.

GFC passes new policy for managing teaching/research collections

Legal and ethical responsibilities fully covered

The University of Alberta has a new collections policy.

Last month, General Faculties Council endorsed the new policy which will provide a framework within which the University will acquire, manage and ensure the wise use of its collections.

At last count, the collections, housed within 20 academic units, consisted of about 20 million objects in some 35 collections. About 98 percent of those objects are in the pure and applied sciences. "These collections contain valuable and—in many cases—irreplaceable materials," Vice-President (Student and Academic Services) Lois Stanford told GFC.

"This policy is really a statement of principles for action," she said, "and it's supported by a manual of campus-wide standards and procedures prepared by the Museums and Collections Services."

The Vice-President said the University needs an adequate policy to govern its collections activities. "Published surveys consistently recommend that universities accept responsibility for their collections by providing three things: arrangements for curation, an advisory committee, and an administrative framework."

The new policy includes a preamble and sections on definitions, care, purposes, administration, acquisitions, deaccession and collec-

tions governed by the policy. Researchers have an ethical responsibility to collect in a disciplined manner and to make sure the resources exist to take care of collections before they're acquired. "There are equivalent responsibilities if we decide to divest ourselves of material ... and decisions to acquire and divest are academic decisions."

Why does the University need a new collections policy? First, the policy is more complete and current, enunciating the importance of ethical issues in collecting. Second, parts of the old 1978 policy are not correct, either because of changes in University procedures or because of changes in laws and regulations governing collections. "Most importantly, the new policy reflects the development of the University's view of collections."

At one time, plans were developed for locating collections in a central facility, the Timms Collections Centre, but that has changed to a collections policy whereby collections are based in academic departments, where they're collected and used, managed by academic curators and supported by a central service unit. "This newer view is reflected in the policy, and it allows for flexible and local interpretation of the notion of academic priority in the development and management of collections," Dr Stanford said.

Dietetics internship program has its first four graduates

Program expected to give students first-hand experience in the field

The Department of Foods and Nutrition's coordinated dietetics program has its first graduates.

Heather Oga, Jacqueline Dunn, Karol Sekulic and Holly Nichols recently earned BSc in Home Economics degrees upon completing the 4 1/2 year program.

The coordinated dietetics program is an alternative to the traditional route, operating much like cooperative programs do. Academic terms are alternated with work-internship terms of 16 weeks each. Students are placed in health care facilities across the province.

Typically, the first three work-internship terms take place in two or more health care facilities. That gives students the opportunity to experience different-sized institutions, explains Faculty Service Officer Maureen McKay, the coordinator of the program. The field experi-

ence helps students bring the practical and theoretical together, and helps them understand why it's important to take certain subjects.

Employers benefit too. Students are often assigned specific projects and asked to help solve institutions' problems. Employers have more regular contacts with the University and they're able to recruit potential employees.

Once they've completed the program, students have also satisfied the Canadian Dietetic Association requirements for internship and are eligible for membership as professional dietitians.

McKay says the graduation of the program's first students means a lot to the department. She says Department Chair Zenia Hawrysh and several others were instrumental in establishing the program.

Twin peaks loom large in McCalla Professor's career

During the first phase of his career, K Nandakumar (Chemical Engineering) sought to become a good engineering scientist and so focused primarily on challenging fluid mechanical problems of fundamental interest dealing with the physics of flow transitions. That he succeeded is reflected in his being awarded the Alexander von Humboldt Research Fellowship (he spent 1989-90 at the Applied Mathematics Institute at the University of Erlangen, Germany) and the Albright & Wilson Americas Award (this from the Canadian Society for Chemical Engineering for scientific excellence). One of Dr Nandakumar's graduate students, Barry Bara, received the NSERC doctoral prize for 1991-92 for the best thesis defended in a Canadian university.

"From the point of view of learning about recent developments in the area of bifurcation phenomena as applied to flow problems, I feel that I have reached the top of one peak and I have found the climb to be an exhilarating experience," Dr Nandakumar says. Now, having been appointed a 1992-93 McCalla Professor, he's on his way to attaining another height: a consolidation of the gains from the first phase of his career in the form of a set of lecture notes on computational methods in chemical engineering, to be followed by the writing of a textbook incorporating recent developments in this area.

Dr Nandakumar says that being in an engineering department and surrounded by distinguished colleagues who engage in ap-

EVENTS

EXHIBITIONS

CLOTHING AND TEXTILES COLLECTION

Until 18 June

"Changing Suit: The Evolution of Men's Business Wear 1955-85"—an exhibition of men's wear from the collection. Hours: Monday to Friday, 8:30 am to 5 pm. Basement, Home Economics Building.

FAB GALLERY

Until 24 January

"Actual Possibilities"—an exhibition of paintings and other visual material by Edmonton artists Karen Yurkovich and Edward Aoki. Gallery hours: Tuesday to Friday, 10 am to 5 pm; Sunday, 2 to 5 pm; Monday and Saturday, closed. 1-1 Fine Arts Building.

FILMS

ART AND DESIGN

19 January, 5 pm

The Patriot (Patriotin), by Alexander Kluge, German with English subtitles. Sponsor: Goethe Institute. 2-20 Fine Arts Building.

MUSIC

DEPARTMENT OF MUSIC

17 January, 8 pm

Kilburn Encounters III. Admission: \$7/adults, \$5/students and seniors. Convocation Hall.

22 and 23 January, 8 pm

Faculty Recital—William H Street, saxophonist with the Edmonton Symphony Orchestra, under the direction of Brian Priestman. Tickets: ESO Box Office, 428-1108. Jubilee Auditorium.

SPORTS

BASKETBALL

15 and 16 January, 6:30 pm

Pandas vs Victoria

15 and 16 January, 8:15 pm

Bears vs Victoria

HOCKEY

22 and 23 January, 7:30 pm

Bears vs University of British Columbia

TRACK AND FIELD

22 to 24 January

Track and Field Invitational

TALKS



ALBERTA HERITAGE FOUNDATION FOR MEDICAL RESEARCH

19 January, 4 pm

Anthony Means, Nanaline H Duke Professor and Chairman, Department of Pharmacology, Duke University Medical Center, Durham, North Carolina, "Transgenic Mouse Models of Human Diseases." Presented by Anatomy and Cell Biology. 2-27 Medical Sciences Building.

22 January, 4 pm

Mary Lou Pardue, Department of Biology, Massachusetts Institute of Technology, "A Novel Transposable Element Involved in Forming Telomeres." Presented by Genetics. M-145 Biological Sciences Centre.

ANTHROPOLOGY

18 January, 3 pm

CR Harington, Canadian Museum of Nature (Paleobiology), Ottawa, "Paleobiology of Arctic Bison." 14-6 Tory Building.

ART AND DESIGN

21 January, 5:30 pm

Dietmar Winkler, professor, Kansas City Art Institute, "Design at the Turn of the Millennium: The Decomposition of the Professional Myth." 2-20 Fine Arts Building.

23 January, 3:30 pm

Professor Winkler will discuss his own design work. Cosponsor: The Alberta Chapter of the Society of Graphic Designers of Canada. 2-20 Fine Arts Building.

CAMPUS MINISTRY

19 January, 7:30 pm

Robert Barringer, CSB, "Understanding Catholicism—The Trinity." Newman Centre, St Joseph's College.

CHAPLAINS' ASSOCIATION

21 January, 12:30 pm

David Goa, "The Love of Learning and the Desire for God." 158A SUB.

CHEMICAL ENGINEERING

21 January, 3:30 pm

AJ Rankin, "Combustion of Polychlorinated Biphenyls in a Single Channel Monolith Reactor." 342 Chemical-Mineral Engineering Building.

28 January, 3:30 pm

P Mees, "Flow Transitions in a Curved Duct." 342 Chemical-Mineral Engineering Building.

CHEMISTRY

18 January, 11 am

Paul Harrison, Department of Chemistry, McMaster University, "Polyketide Biosynthesis and Synthetic Analogues Thereof." V-107 V-Wing.

COMPARATIVE LITERATURE AND FILM STUDIES

19 January, 3:30 pm

Margaretta Dirks Fowler, "Stock Figures in the Novels of Socialist Realism: The Case of Fadeev, Gladkov and Ostrovsky." Senate Chamber, Arts Building.

ENGLISH

19 January, 4 pm

Ludmilla Jordanova, History Department, University of Essex, "Conceptualising Women: Problems and Perspectives." Reception to follow. L-3 Humanities Centre.

20 January, 4 pm

Professor Jordanova, "Testaments of Women, 1720-1780 (1)." L-3 Humanities Centre.

21 January, 4 pm

Professor Jordanova, "Testaments of Women, 1720-1780 (2)." 2-05 Business Building.

ENTOMOLOGY

21 January, 4 pm

Cameron Currie, "Biological Control of Western Gall Rust: *Epuraea Obliquus* (Coleoptera: Nitidulidae) as a Vector for a Hyperparasite of Western Gall Rust." TBW-1 Tory Breezeway.

FOREST SCIENCE

20 January, noon

Jan Volney, research scientist, Forestry Canada, "Doing Well With Less: Forest Pest Management Paradigms." 849 General Services Building.

GENETICS AND FOREST SCIENCE

15 January, 4 pm

John E Carlson, The Biotechnology Laboratory and Department of Forest Sciences, University of British Columbia, "Genome Mapping in Conifers with RAPD and FISH Markers." M-145 Biological Sciences Centre.

GERMANIC LANGUAGES

15 January, 3 pm

Erwin J Warkentin, "The Allied Information Control Division Policies and Practices and the Manipulation of Post-World War II German Literature 1945-1949." Senate Chamber, 326 Arts Building.

HISTORY

15 January, 3 pm

Andrew Ede, "How to Lose an Argument: Colloid Chemistry, Insanity and Science Research in America." 2-58 Tory Building.

HUMAN ECOLOGY: ISSUES IN THE NORTH

19 January, 4 pm

Larry Reynolds, Brownlee and Fryett Barristers, "New Directions for Environmental Regulations and Enforcement in Canada's North." 231A Law Centre.

INTERNATIONAL CENTRE

21 January, 2 pm

Presenter: Barry Tonge, "Opportunities for Expanding Student Exchanges with Europe." Chair: Brian Evans. 172 HUB International.

JOINT-CLINICAL ETHICS SEMINAR

26 January, 12:30 pm

Gerald Higgins (facilitator). Speakers to be announced. "How We See the Disabled...How the Disabled See Us." 2F1.04 Mackenzie Health Sciences Centre.

LIMNOLOGY AND FISHERIES DISCUSSION GROUP

21 January, 12:30 pm

Mark Wilson, "The Morphology and Feeding Habits of the Earliest Vertebrates." M-149 Biological Sciences Centre.

28 January, 12:30 pm

Al Shostak, "Freshwater Snail Life History Traits: Responses to Parasitism?" M-149 Biological Sciences Centre.

LIPID AND LIPOPROTEIN RESEARCH GROUP

21 January, 10 am

Allan Sniderman, director, Division of Cardiology, McGill University, "Apo B Secretion." Sponsor: Jouveinal Inc. 207 Heritage Medical Research Centre.

PHILOSOPHY

15 January, 3 pm

Chris McCurdy, "Explanation." 4-29 Humanities Centre.

PHYSICS

15 January, 2 pm

Gordon Rostoker, "The Northern Lights: Violence in the Sky." V-121 V-Wing.

SOCIOLOGY

21 January, noon

Gordon Hirabayashi will show the PBS documentary, "Gordon Hirabayashi vs The United States," and discuss his 43-year fight against Japanese-American internment during World War II. 5-15 Tory Building.

SOIL SCIENCE

21 January, 12:30 pm

Bill Souster, dean, Land Sciences Department, Olds College, "Land Science Training at Olds College." 2-36 Earth Sciences Building.


28 January, 12:30 pm

Bob Innes, environmental consultant, Sentar Consultants Ltd, "Design of Soil Sampling and Analysis Programs for Environmental Licenses: A Consultant's Perspective." 2-36 Earth Sciences Building.

STATISTICS AND APPLIED PROBABILITY

22 January, 3 pm

Byron Schmuland, "Random Movement in Infinite Dimensions." 657 CAB.

 This symbol denotes environmentally related seminars/events. If you wish to have an environmentally related event listed in this way, please contact: The Environmental Research and Studies Centre, 492-6659.

A second chance to see the film "Coppermine"

Did you miss the first showing of the film "Coppermine"?

The National Film Board and the Charles Camsell Historical Society will be giving Edmonton audiences a second chance to see the film about a young doctor's struggle to bring medical care to the Copper Inuit during the tuberculosis epidemic which swept through the Central Arctic during the 1930s.

The film will be shown Thursday, 21 January, at 7:30 pm in the Charles Camsell Hospital Auditorium, 12804 114 Street. Free admission. Limited capacity. Phone 453-6570 to reserve seating.

POSITIONS



The University of Alberta is committed to the principle of equity in employment. The University encourages applications from aboriginal persons, disabled persons, members of visible minorities and women.

EXECUTIVE ASSISTANT TO THE VICE-PRESIDENT (STUDENT AND ACADEMIC SERVICES)

This is an Administrative Professional Officer position which will be responsible to the Vice-President (Student and Academic Services) for providing executive administrative support in areas of policy development, decision making through pro-active problem-solving, executive liaison, management of specific projects, and analyzing and responding to sensitive issues on behalf of the Vice-President (Student and Academic Services).

The Administrative Professional Officer will act, under direction of the Vice-President (Student and Academic Services), as University Information Officer on Appeals and Grievances (GFC Policy Manual, Section 51), and will participate in policy and procedures development concerning, and management of, cases of disruptive conduct within the University of Alberta.

Applicants should understand the vital role of the Office in supporting the University's primary academic purposes and in the provision of a quality student experience at the University. The position is one of twelve reporting to the Vice-President (Student and Academic Services).

Qualifications: University degree, effective senior-level, administrative skills; knowledge of the University of Alberta and its structures; the ability to represent the Office of the Vice-President (Student and Academic Services) appropriately at various levels. Advanced wordprocessing skills and use of electronic mail required; excellent communication skills (oral and compositional).

Salary range: Salary under review; in \$50,000 to \$57,000 range.

Deadline for submissions: 1 February 1993.

Résumés with the names of three referees to: Dr Lois M Stanford, Vice-President (Student and Academic Services), 3-5 University Hall.

SUPPORT STAFF

To obtain further information on the following positions, please contact Personnel Services and Staff Relations, 2-40 Assiniboia Hall, telephone 492-5201. Due to publication lead time and the fact that positions are filled on an ongoing basis, these vacancies cannot be guaranteed beyond 8 January 1993. For a more up-to-date listing, please consult the weekly Employment Opportunities Bulletin, the postings in PSSR and/or call the Job Information Line at 492-7205 (24 hours). Positions available as of 8 January 1993.

The salary rates for the following positions reflect adjustments in accordance with the new classification system and pay plan.

MEDICAL STENO (Grade 6) (Trust), Medicine (Resident Training), (\$2,070 - \$2,580)

SENIOR COORDINATOR (MANAGER, SPECIAL REGISTRATIONS) (Grade 9), Office of the Registrar (\$2,636 - \$3,343)

The following positions retain salary rates in accordance with the previous classification system and pay plan.

ACCOUNTS CLERK (Trust/Part-time), Surgical-Medical Research Institute (\$1,067 - \$1,364) (prorated)

DEPARTMENTAL/EXECUTIVE SECRETARY (Trust/Part-time), Medicine, (\$1,003 - \$1,290) (prorated)

LABORATORY ASSISTANT I (Trust/Term to 30 June 1993), Physiology, (\$1,333 - \$1,650)

TECHNOLOGIST I/II (Trust), Genetics, (\$2,273 - \$3,202)

NURSE PRACTITIONER (Trust/Term to 30 June 1993), Medicine, (\$3,065 - \$3,996)

ADS

ACCOMMODATIONS AVAILABLE

VICTORIA PROPERTIES - Experienced, knowledgeable realtor with Edmonton references will answer all queries, and send information. No cost or obligation. Call (604) 595-3200, Lois Dutton, Re/Max, Ports West, Victoria, BC.

RENT - University/Strathcona, new, spacious condo. Two bedrooms, two baths, fireplace, elevator, five appliances, two parking. Nonsmoking. January/February. 998-3988.

SALE - Executive bungalow on country club golf course. Prime lot, exquisite inside and out. Two bedrooms up, three down. A must see. Asking \$409,000. Call Judy Packer, Spencer Realty, 486-2847.

RENT - Four bedroom, 1,100', kitchen, Parkallen. Garage space, appliances, quiet, immaculate. References needed. \$850/month plus utilities. Viewing, 438-9466.

RENT - May-July, fully furnished three bedroom house, south Garneau. \$1,200/month. 438-7886, 492-5731.

RENT - Female has lovely home to share with female, overlooks ravine. Half rent/utilities, ten minutes University. 465-2972.

SALE - Just listed, Riverbend, two-year-old two storey, four bedroom home, jacuzzi and more. \$183,900. Raymond Cheng, Royal LePage Real Estate, 438-4700.

SALE (\$135,800)/LEASE(\$950/month) - Three bedroom bungalow, 76 Avenue and 173 Street. Finished basement/guest bedroom,

hottub, rec room. Elementary school, bus 150m. Walk-WEM, Safeway close. (References required). 499-8748.

RENT - Old Strathcona, three bedroom, furnished main floor suite. Hardwood floors, utilities included, available immediately. 434-6287.

RENT - Walk to University. Two bedroom executive townhouse, five appliances, fireplace, heated parking. \$995/month. 481-3513 or 468-4060.

MICHENER PARK - Two bedroom rowhouses and apartments for rent in University residence located in southwest Edmonton. Excellent bus service to University, utilities included. All enquiries welcome, 492-7044.

SALE - Large condo, ideal for entertaining. Double attached garage, air conditioned, three bedrooms, three bathrooms. Many upgrades throughout. Roger Davis, Royal LePage, 483-9170.

SALE - Saskatchewan Drive, spacious, 1,905 square feet, three bedrooms plus den bungalow. Fully finished basement, intercom, security alarm, wine cellar. Walk to University. Joan Lynch, Re/Max Real Estate, 438-7000, 433-9025.

SALE - Garneau, two storey, two bedroom, character home, gracious living/dining rooms. Great family home/potential revenue. Wendy Caplan, Spencer Realty, 435-0808.

RENT - Two storey, three bedroom home in north Windsor Park. Two blocks west of the University. Available to rent 1 February, 433-0646.

RENT - Old Strathcona, two bedroom bungalow with complete basement suite. \$900/month. 430-6729.

RENT - Attractive, three bedrooms, four appliances, dining room. Quiet Scona location. Nonsmoking, no pets, two adults, \$350 each, immediate. 435-8812.

SALE - \$72,222, one bedroom, 19th floor condominium apartment within three blocks of campus. It's your move. Call June Hill, Sutton Group - Polaris, 432-7894, 450-6300.

SALE - Elegant, four bedroom family home. Super location in old Riverbend, easy access University. Triple garage, west yard, vendor relocating. Val Cload, Spencer Realty, 435-0808.

SALE BY OWNER - Character, two storey, three bedrooms, hardwood floors, fireplace, double detached garage. Close to University. Completely renovated. 463-0904.

SALE - Parkallen, semi-bungalow. Three bedrooms, kitchen replaced. Tree-lined street. \$129,800. Pat von Borstel, Spencer Realty, 435-0808.

RENT - Two bedroom suite in house. Newly renovated, bright, cheerful, large windows, oak floors, extremely quiet, suitable for professional. Walk to University. \$475 plus utilities. Georgina, 424-2317, 433-1479.

SALE - Condominiums. High-rise, seven beautiful views. Two bedrooms, \$62,000. One bedroom, pool, University, \$72,900. Low-rise, southwest, two bedrooms plus, from \$82,900. Choose beautiful decor. Helen Rhodes Realty Inc, 445-5699.

ACCOMMODATIONS WANTED

MATURE, UNIVERSITY EMPLOYEE available to housesit. Previous experience. Phone Joanna, 433-8668 or 492-6365.

GOODS FOR SALE

SALE - 24K Lebanese gold bracelets. Four available, \$300 each. Charolyn, 492-4552.

MOVING - Good quality teak furniture: wall unit, nine-drawer dresser, dining room chairs, plus much more. Details, 455-0620.

SERVICES

DONNIC WORD PROCESSING - Since 1978, specializing in theses, manuscripts, etc. 453-2769.

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DAVID RICHARDS CARPENTRY - Certified journeyman NAIT. Complete interior/exterior residential and commercial renovations including plumbing/electrical. References available. 436-6363.

PROFESSIONAL TYPIST - Word processing. Specializing in theses, dissertations, manuscripts. Gwen, 467-0515.

BACK BASICS REMEDIAL THERAPY - Supplementary health care coverage. 436-8059.

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HEARTWOOD RENOVATIONS - Complete interior renovations. Specializing in basements, bathrooms, kitchens. Count on us for all

1993 CULTOURS PROGRAM

I FREDERICA VON STADE IN RECITAL

Jack Singer Concert Hall, Calgary. Sunday, 7 Feb.

II GALAPAGOS ISLS-PERU-ECUADOR, 23 Feb. - 16 Mar.

III ARTS & CULTURES OF INDONESIA, 28 Apr. - 19 May.

IV GUATEMALA AND COSTA RICA, July.

V MALAYSIA: KUALA LUMPUR, PENANG,

TAMAN NEGARA (NAT. PARK) & BORNEO, Oct./Nov.

Limited space. For additional information, please phone CULTOURS at 433-3533 (leave message).

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(Education) Library

Phone (492) 5433

French Classes

Evening classes

Mon. + Wed.: 6:30-8:30 p.m.
\$140 (40 h.) • All levels

Saturday morning

10:30 a.m.-1:30 p.m.
\$110 (30 h.) • All levels

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littérature française

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5 étudiants maximum

Civilisation française

15 jeudis • 18h 19h30 • \$110
Nombreuses illustrations.

Drop-in conversation

Thursdays from 19:00 p.m.

Classes start

January 13 1993

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your home repairs. No job too small. References available. Phone Dennis Ellerman, 466-5941.

ANITA JENKINS, WRITER/EDITOR. The- ses, letters, résumés, journal articles. 474-6656.

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FREE AIR TICKETS - Redeem your fre- quent flyer certificates with us. Call Newwest Travel, 432-7446. 8625 112 Street.

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TECH VERBATIM - Word processing, WP 5.1, Words 5.0, medi- cal terminology, laserprint, campus location. Donna, 440-3714 evenings, weekends.

MISCELLANEOUS

LEARN ABOUT ANOTHER CULTURE. Make a new friend. Assist a newcomer settling in Edmonton to adjust, while sharing knowledge and friendship. No second language needed. Call Host Program, 424-3545.


SPRINGHILL COOPERATIVE NURSERY SCHOOL in Garneau has limited space available now in two-, three-, and four-year-old groups. Springhill offers outstanding teacher, environment and facilities. Flora, 439-5353.

YOGA NORTH - Classes: Tuesday, 19 January, or Thursday, 21 January, 5:30 - 7:00 pm, ten weeks, \$50. Sat- urday, 6 February, 10:30 - noon, eight weeks, \$40. Ken, 477-5402, Garneau United Church, 11148 84 Avenue.

FEMALE CARPOOL PARTNER WANTED - for ride to the University, Monday-Friday days. Live in Davidson Creek, Sherwood Park. Doris Kurtz, 492-6490/449-9450. Would remunerate for gas.

ROYAL ACUPRESSURE SOCIETY - Level I Chinese massage course (acupressure) starts 30 January. Certifiable. Information, 439-1966.

ROYAL ACUPRESSURE CLINIC - January special. Two acupressure sessions for price of one. 439-1966.



Sun., Jan. 17 at 8 pm
Kilburn Encounters III
In Convocation Hall, Arts Bldg.

Fri. & Sat., Jan. 22 & 23
Faculty in Concert: William
H Street, saxophone, with
the ESO in the Jubilee
Auditorium at 8 pm.

Info: Dept. of Music: 492-3263.



The Senate of St. Stephen's College Invites Honorary Degree Nominations

St. Stephen's College is accepting nominations for recipients of the degree of Doctor of Divinity honoris causa to be conferred at the fall Convocation, 1993.

The degree recognizes and honours individuals who:

- have demonstrated outstanding commitment to the church's ministries
- have given meritorious service which contributes to the spiritual and social well-being of the community
- provide leadership in denominational and ecumenical circles

Please request nomination forms from the College by calling or writing to:

Dolores Bell
St. Stephen's College
8810 - 112 Street,
Edmonton, Alberta, T6G 2J6
Phone: (403) 439-7311

Deadline for nominations is March 15, 1993

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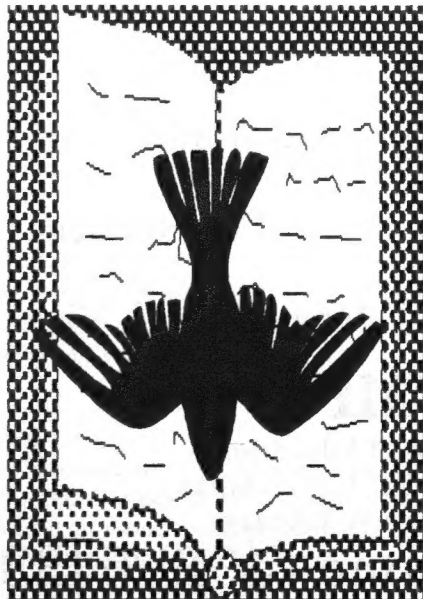
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